



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/921,001	08/03/2001	Sang-min Lee	P56417	5822
7590 12/17/2003			EXAMINER	
Robert E. Bushnell Suite 300 1522 K Street, N.W. Washington, DC 20005-1202			CHAU, MINH H	
			ART UNIT	PAPER NUMBER
			2854	

DATE MAILED: 12/17/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/921,001

Applicant(s)

LEE, SANG-MIN

Examiner

Minh H Chau

Art Unit

2854

*phw*

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 22 September 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-12, 14-26 and 28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12, 14, 26 and 28 is/are allowed.
- 6) ☒ Claim(s) 1-9 and 15-23 is/are rejected.
- 7) ☒ Claim(s) 10, 11, 24 and 25 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. §§ 119 and 120**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. **Claims 1-3, 6, 9, 15-17, 20 and 23** are rejected under 35 U.S.C. 102(b) as being anticipated by each of the following prior art to Sakaguchi (JP 60-217186) and to Maeda (JP 2000-190602).

**With respect to claims 1 and 15**, Sakaguchi teaches an apparatus and method for setting a print position or a print location for printing by a printer (22) comprising means for determining whether a print location setting command for setting a print location for printing by the printer is input, means for outputting a print location setting menu screen for setting the print location for printing by the printer when the print location setting command is input, means for inputting print location information for setting the print location for printing by the printer and for entering the input print location information in the print location setting menu screen and means for storing the input location information entered in the print location setting menu screen in a memory (see the abstract of Sakaguchi).

**With respect to claims 2 and 16**, see Fig. 14, the abstract and col. 7 of Sakaguchi that teach a print setting menu screen (102) and a screen controlling part (114) comprising an input window for inputting at least coordinate information about the

upper, lower, left and right margins or a starting point and end point of the print location for setting the print location for printing by the printer (22).

**With respect to claims 3, 6, 17 and 20**, see Fig. 14 and col. 7 of Sakaguchi that teaches a print location menu screen including a cursor window input means for setting the default printing position information.

**With respect to claims 9 and 23**, see Figs. 9-14 and cols. 5-6 of Sakaguchi that teaches an apparatus and a method for adjusting a print location for printing by a printer comprising means for receiving print position or print location information about the a print location for printing on a printing medium by the printer and margin information about margins for printing on the printing medium from a host computer (20), means for determining the print location for printing on the printing medium using the print location information and the margin information and means for controlling the printing operation of the information on the printing medium at a specific selected print location. In view of the teaching above, it is clear to one of skill in the art that the means for controlling the printing information on a selected print location meet the limitation of controlling the position of a printer head for printing on the printing medium.

**With respect to claims 1 and 15**, Maeda teaches an apparatus and method for setting a print position or a print location for printing by a printer (32) comprising means for determining whether a print location setting command for setting a print location for printing by the printer is input, means for outputting a print location setting menu screen for setting the print location for printing by the printer when the print location setting command is input, means for inputting print location information for setting the print

Art Unit: 2854

location for printing by the printer and for entering the input print location information in the print location setting menu screen and means for storing the input location information entered in the print location setting menu screen in a memory (see the abstract of Maeda).

**With respect to claims 2 and 16**, see Fig. 2 and the abstract and col. 7 of Maeda that teach a print setting menu screen (7) comprising an input window for inputting at least coordinate information about the upper and lower margins or a starting point and end point of the print location for setting the print location for printing by the printer (32).

**With respect to claims 3, 6, 17 and 20**, see Fig. 2 and paragraph [0010-0013] of Maeda that teaches a print location menu screen including a cursor window input means for setting the default printing position information.

**With respect to claims 9 and 23**, see Figs. 1-3 and paragraph [0010-0046] of Maeda that teaches an apparatus and a method for adjusting a print location for printing by a printer comprising means for receiving print position or print location information about the a print location for printing on a printing medium by the printer and margin information about margins for printing on the printing medium from a host computer (15), means for determining the print location for printing on the printing medium using the print location information and the margin information and means for controlling the printing operation of the information on the printing medium at a specific selected print location. In view of the teaching above, it is clear to one of skill in the art that the means for controlling the printing information on a selected print location meet the limitation of controlling the position of a printer head for printing on the printing medium.

***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 4-5, 7-8, 18-19 and 21-22** are rejected under 35 U.S.C. 103(a) as being unpatentable over Sakaguchi as applied to claims 1-3, 6, 9, 15-17, 20 and 23 above, and in view of Maenozono (JP 08-127159).

**With respect to claims 4, 7, 18 and 21**, Sakaguchi teaches all the limitations as explained above, except for the limitation "the print location setting menu screen being programmed ... print location information".

Maenozono teaches an apparatus and method for setting a print position or a print location for printing by a printer including the print location setting menu screen being programmed such that edge boundary screen information (12) for a printing medium and print boundary screen information (13) for a print location are for printing on the medium are display together on the print location setting menu screen, with the print boundary screen information being changed according to the input print location information (see Figs. 1-4, 16 and col. 3 of Maenozono).

In view of this teaching, it would have been obvious to one of skill in the art to modify the device of Sakaguchi to include the print location setting menu screen as taught by Maenozono as mentioned above so that the user is able to adjust the margins according the print range of the printing information without any difficulty.

**With respect to claims 5, 8, 19 and 22**, Sakaguchi teaches all the limitations as explained above, except for the limitation "the print location setting menu screen being programmed ... print location adjustment cursor".

Maenozono teaches an apparatus and method for setting a print position or a print location for printing by a printer including the print location setting menu screen being programmed being programmed such that the print boundary screen changed in the horizontal or X-axis and vertical or Y-axis direction by using a print location adjustment switch or cursor (3) (see Figs. 1-4, 16 and col. 3 of Maenozono).

In view of this teaching, it would have been obvious to one of skill in the art to modify the device of Sakaguchi to include the print location setting menu screen that being programmed being programmed such that the print boundary screen changed in the horizontal or X-axis and vertical or Y-axis direction by using a print location adjustment switch or cursor as taught by Maenozono for the convenience of allowing the user with quickly and easily adjust the print range of the print information on the printing medium.

***Allowable Subject Matter***

**5. Claims 10-11 and 24-25** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

**Claims 12, 14, 26 and 28** are allowed.

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The Applicant's attention is invited to the patents to Okamura (JP 04-250082) and Suzuki et al. (JP 02-173864).

***Response to Arguments***

7. Applicant's arguments with respect to claims 1-9 and 15-23 have been considered but are moot in view of the new ground(s) of rejection.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh H Chau whose telephone number is (703) 305-0298. The examiner can normally be reached on M - TH 9:30AM - 8:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew H Hirshfeld can be reached on (703) 305-6619. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.



MHC  
December 12, 2003